OIPE MAIL
JUL 05 2006
PATENT & TRADEMARK OFFICE

REPLACEMENT SHEET

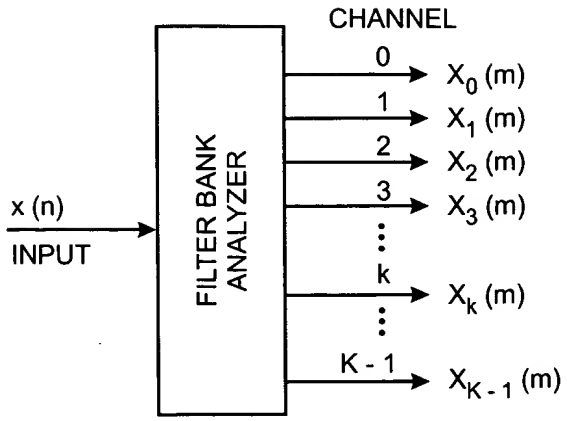

Figure 1A

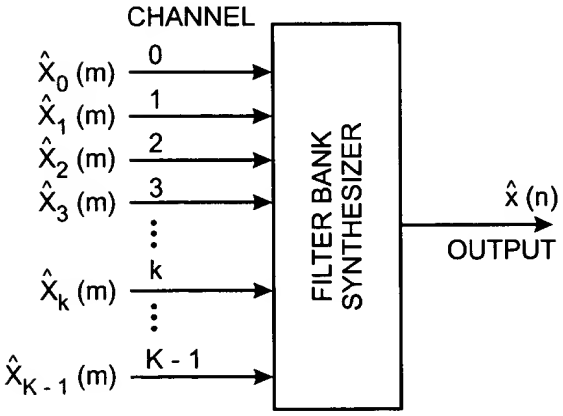

Figure 1B

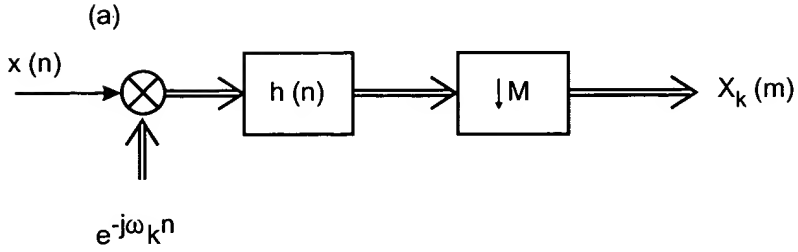

Figure 2A

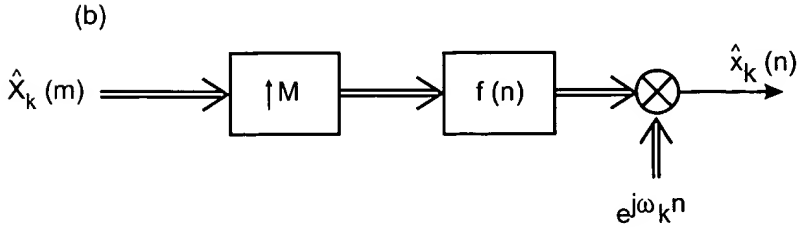

Figure 2B

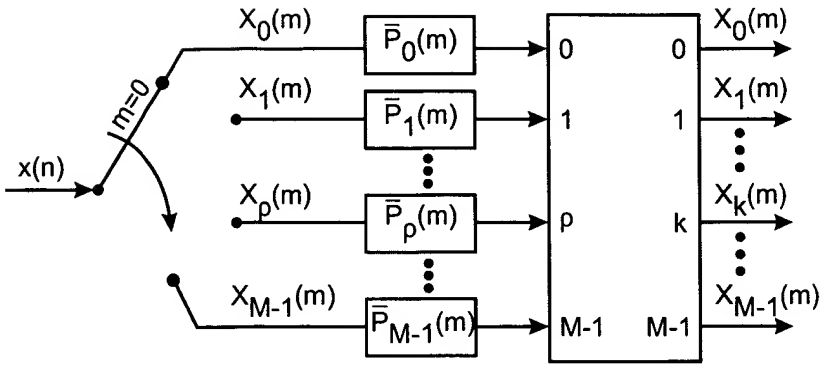

Figure 3A

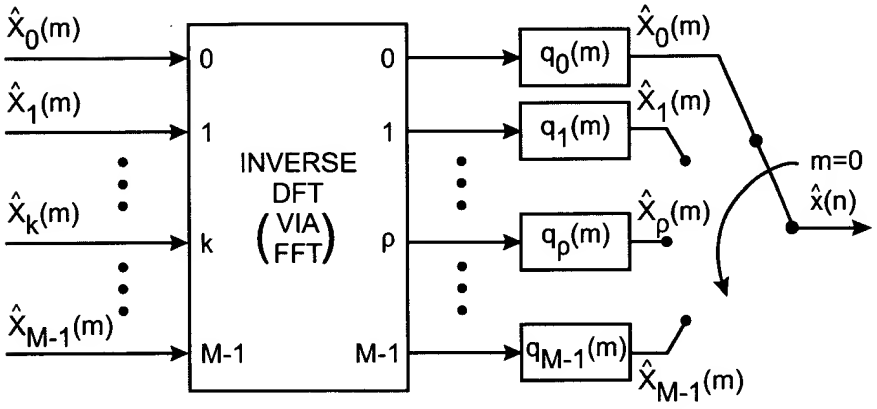

Figure 3B

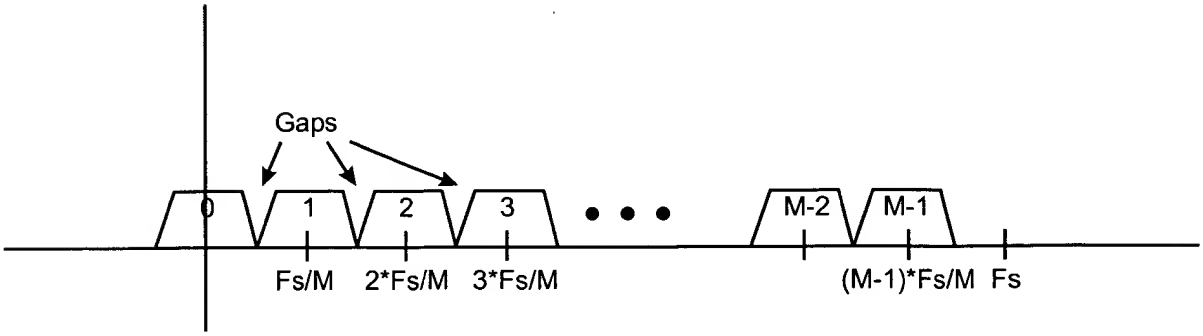

Figure 4

Prior Art

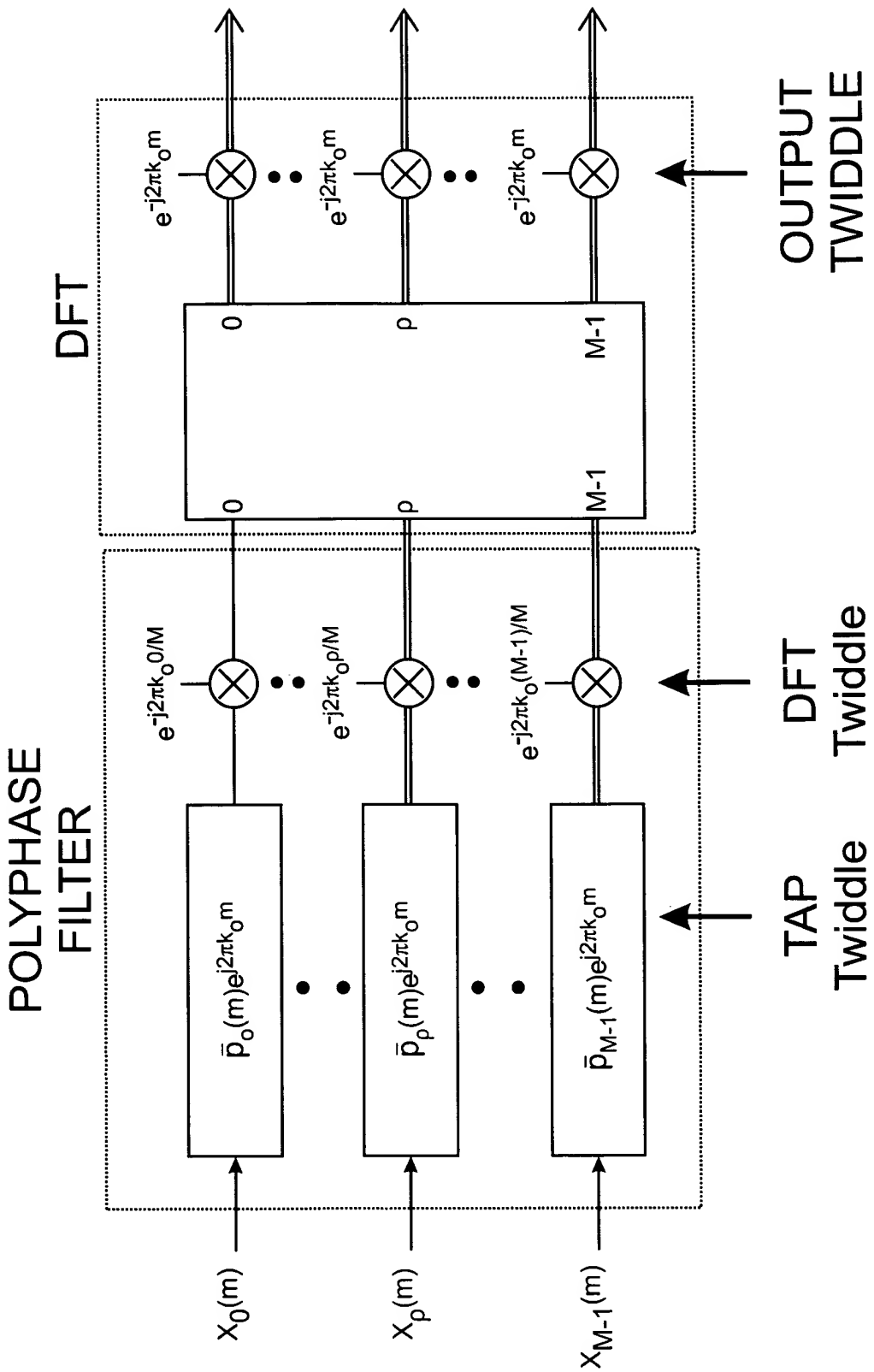

Figure 5A

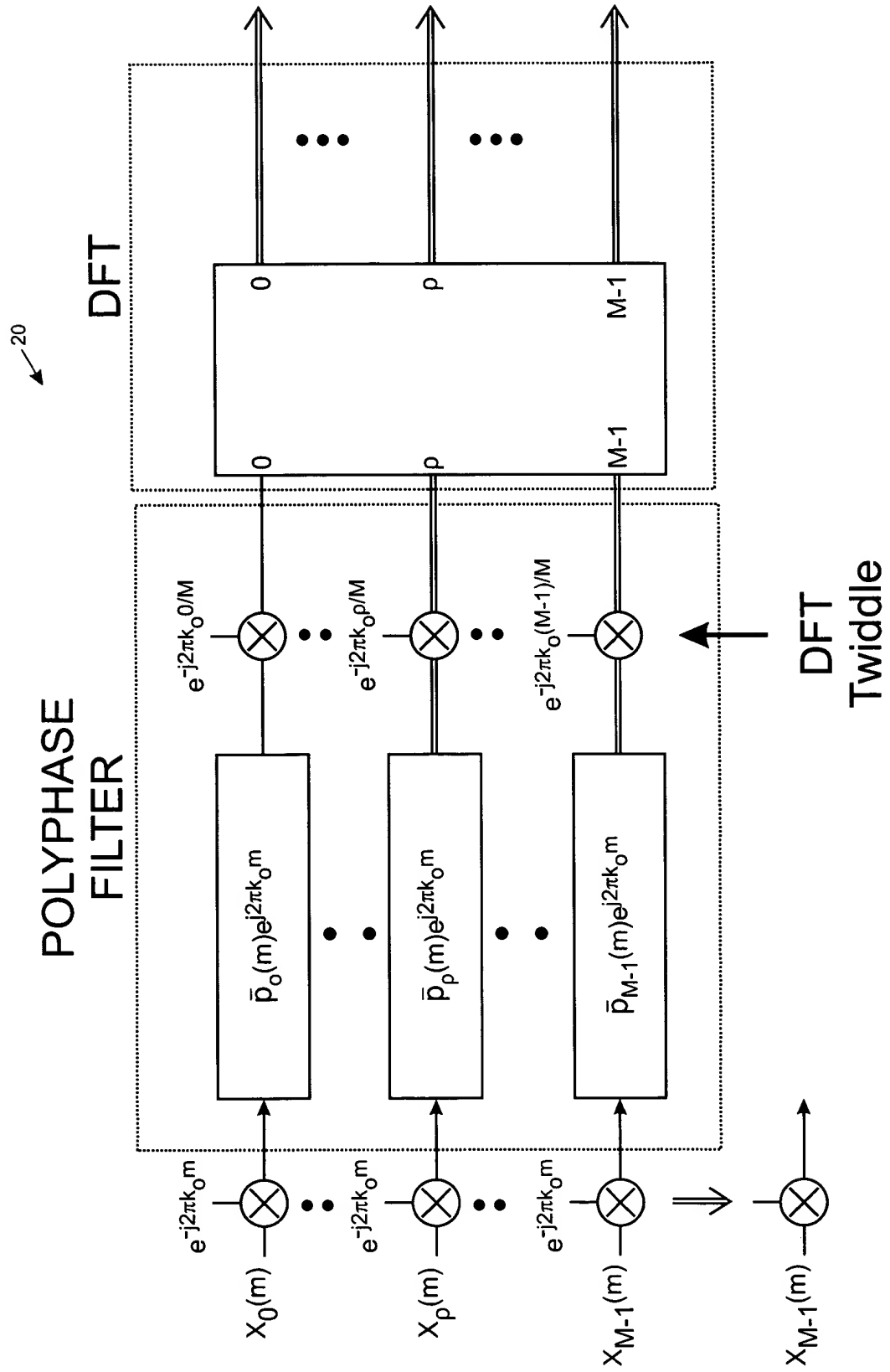
20
DFT
POLYPHASE FILTER
DFT Twiddle
0
ρ
M-1
$e^{-j2\pi k_o 0/M}$
$e^{-j2\pi k_o \rho/M}$
$e^{-j2\pi k_o (M-1)/M}$
$\bar{p}_0(m)e^{j2\pi k_o m}$
$\bar{p}_\rho(m)e^{j2\pi k_o m}$
$\bar{p}_{M-1}(m)e^{j2\pi k_o m}$
$e^{-j2\pi k_o m}$
$X_0(m)$
$X_\rho(m)$
$X_{M-1}(m)$
$X_{M-1}(m)$

Figure 5B

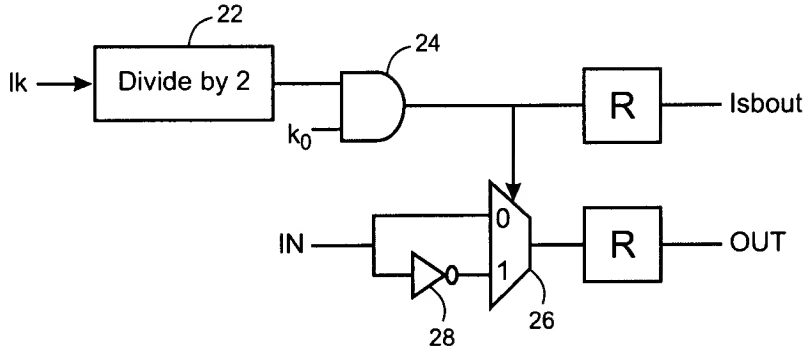

Figure 6

Sample Polyphase Filler Structure

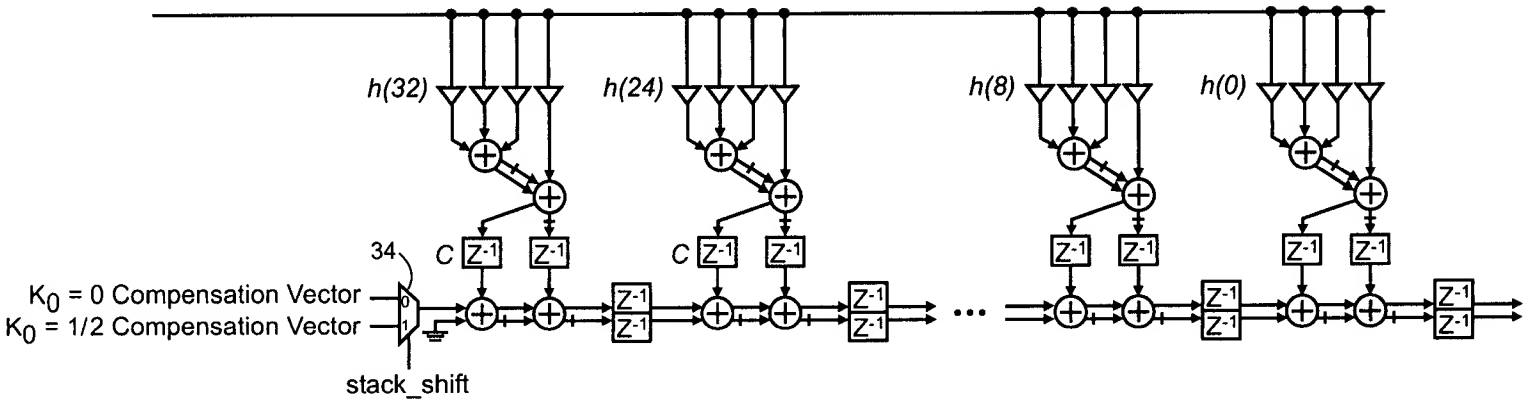

Figure 7A

Using compensation vector to perform LSB addition of two's complement negation

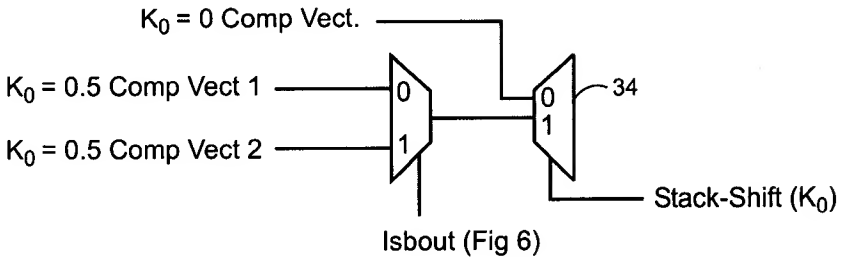

Figure 7B

REPLACEMENT SHEET